

## WY ENSO Data \_v4 ONI

7/20/2015

## Water Year - ENSO Data El Niño and La Niña Years and Intensities

Water Year	SON	OND	NDJ	DJF	JFM	FMA	MAM	AMJ	MJJ	JJA	JAS	ASO		ENSO Type
1950				-1.4	-1.2	-1.1	-1.2	-1.1	-0.9	-0.6	-0.6	-0.5		ML
1951	-0.6	-0.7	-0.8	-0.8	-0.6	-0.2	0.2	0.2	0.4	0.5	0.7	0.8		WL
1952	0.9	0.7	0.6	0.5	0.4	0.4	0.4	0.4	0.2	0	0.1	0.2		WE
1953	0.2	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8		WE
1954	0.8	0.8	0.7	0.7	0.4	0	-0.4	-0.5	-0.5	-0.5	-0.7	-0.7		WE
1955	-0.6	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-1		WL
1956	-1.4	-1.6	-1.4	-0.9	-0.6	-0.6	-0.5	-0.5	-0.4	-0.5	-0.5	-0.4		ML
1957	-0.4	-0.5	-0.4	-0.3	0	0.3	0.6	0.7	0.9	1	1.2	1.1		N
1958	1.2	1.3	1.6	1.7	1.5	1.2	0.8	0.7	0.6	0.5	0.4	0.4		SE
1959	0.5	0.6	0.6	0.6	0.5	0.4	0.2	0.1	-0.2	-0.3	-0.3	-0.1		WE
1960	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	0	-0.1	-0.2	0	0.1	0.2		N
1961	0.1	0	0	0	0	-0.1	0	0.1	0.2	0.1	-0.1	-0.3		N
1962	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.2	-0.1	-0.2	-0.2		N
1963	-0.3	-0.3	-0.4	-0.4	-0.2	0.1	0.2	0.2	0.4	0.7	1	1.1		N
1964	1.2	1.2	1.1	1	0.6	0.1	-0.3	-0.6	-0.6	-0.7	-0.7	-0.8		ME
1965	-0.8	-0.8	-0.8	-0.5	-0.3	-0.1	0.1	0.4	0.7	1	1.3	1.6		WL
1966	1.7	1.8	1.5	1.3	1	0.9	0.6	0.3	0.2	0.2	0.1	0		SE
1967	-0.1	-0.1	-0.3	-0.4	-0.5	-0.5	-0.5	-0.2	0	0	-0.2	-0.3		N
1968	-0.4	-0.4	-0.5	-0.7	-0.8	-0.7	-0.5	-0.1	0.2	0.5	0.4	0.3		WL
1969	0.4	0.6	0.8	0.9	1	0.9	0.7	0.6	0.5	0.4	0.5	0.8		WE
1970	0.8	0.8	0.7	0.6	0.4	0.4	0.3	0.1	-0.3	-0.6	-0.8	-0.8		WE
1971	-0.8	-0.9	-1.2	-1.3	-1.3	-1.1	-0.9	-0.8	-0.7	-0.8	-0.7	-0.8		ML
1972	-0.8	-0.9	-0.8	-0.7	-0.4	0	0.3	0.6	0.8	1.1	1.3	1.5		WL
1973	1.8	2	1.9	1.7	1.2	0.6	0	-0.4	-0.8	-1	-1.2	-1.4		SE
1974	-1.7	-1.9	-1.9	-1.7	-1.5	-1.2	-1	-0.9	-0.8	-0.6	-0.4	-0.4		SL
1975	-0.6	-0.7	-0.6	-0.5	-0.5	-0.6	-0.6	-0.7	-0.8	-1	-1.1	-1.3		WL
1976	-1.4	-1.5	-1.6	-1.5	-1.1	-0.7	-0.4	-0.3	-0.1	0.1	0.3	0.5		SL
1977	0.7	0.8	0.8	0.7	0.6	0.4	0.3	0.3	0.4	0.4	0.4	0.5		WE
1978	0.6	0.8	0.8	0.7	0.4	0.1	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4		WE
1979	-0.3	-0.1	0	0	0.1	0.2	0.3	0.3	0.1	0.1	0.2	0.3		N

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Water Year	SON	OND	NDJ	DJF	JFM	FMA	MAM	AMJ	MJJ	JJA	JAS	ASO		ENSO Type
1980	0.5	0.5	0.6	0.6	0.5	0.3	0.4	0.5	0.5	0.3	0.2	0		WE
1981	0.1	0.1	0	-0.2	-0.4	-0.4	-0.3	-0.2	-0.3	-0.3	-0.3	-0.2		N
1982	-0.1	-0.1	0	0	0.1	0.2	0.5	0.6	0.7	0.8	1	1.5		N
1983	1.9	2.1	2.1	2.1	1.8	1.5	1.2	1	0.7	0.3	0	-0.3		SE
1984	-0.6	-0.8	-0.8	-0.5	-0.3	-0.3	-0.4	-0.4	-0.4	-0.3	-0.2	-0.3		N
1985	-0.6	-0.9	-1.1	-0.9	-0.7	-0.7	-0.7	-0.7	-0.6	-0.4	-0.4	-0.4		WL
1986	-0.3	-0.2	-0.3	-0.4	-0.4	-0.3	-0.2	-0.1	0	0.2	0.4	0.7		N
1987	0.9	1	1.1	1.1	1.2	1.1	1	0.9	1.1	1.4	1.6	1.6		ME
1988	1.4	1.2	1.1	0.8	0.5	0.1	-0.3	-0.8	-1.2	-1.2	-1.1	-1.2		ME
1989	-1.4	-1.7	-1.8	-1.6	-1.4	-1.1	-0.9	-0.6	-0.4	-0.3	-0.3	-0.3		SL
1990	-0.3	-0.2	-0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4		N
1991	0.3	0.4	0.4	0.4	0.3	0.2	0.2	0.4	0.6	0.7	0.7	0.7		N
1992	0.8	1.2	1.4	1.6	1.5	1.4	1.2	1	0.8	0.5	0.2	0		ME
1993	-0.1	-0.1	0	0.2	0.3	0.5	0.7	0.8	0.6	0.3	0.2	0.2		N
1994	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4		N
1995	0.6	0.9	1	0.9	0.7	0.5	0.3	0.2	0	-0.2	-0.5	-0.7		WE
1996	-0.9	-1	-0.9	-0.9	-0.7	-0.6	-0.4	-0.2	-0.2	-0.2	-0.3	-0.3		WL
1997	-0.4	-0.4	-0.5	-0.5	-0.4	-0.2	0.1	0.6	1	1.4	1.7	2		N
1998	2.2	2.3	2.3	2.1	1.8	1.4	1	0.5	-0.1	-0.7	-1	-1.2		SE
1999	-1.2	-1.3	-1.4	-1.4	-1.2	-1	-0.9	-0.9	-1	-1	-1	-1.1		ML
2000	-1.2	-1.4	-1.6	-1.6	-1.4	-1.1	-0.9	-0.7	-0.7	-0.6	-0.5	-0.6		ML
2001	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5	-0.3	-0.2	-0.1	0	-0.1	-0.1		WL
2002	-0.2	-0.3	-0.3	-0.2	-0.1	0.1	0.2	0.4	0.7	0.8	0.9	1		N
2003	1.2	1.3	1.1	0.9	0.6	0.4	0	-0.2	-0.1	0.1	0.2	0.3		ME
2004	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.2	0.3	0.5	0.7	0.7		N
2005	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.2	0.1	0	0		WE
2006	-0.1	-0.4	-0.7	-0.7	-0.6	-0.4	-0.2	0	0.1	0.2	0.3	0.5		N
2007	0.8	0.9	1	0.7	0.3	0	-0.1	-0.2	-0.2	-0.3	-0.6	-0.8		N
2008	-1.1	-1.2	-1.3	-1.4	-1.3	-1.1	-0.9	-0.7	-0.5	-0.3	-0.2	-0.2		ML
2009	-0.3	-0.5	-0.7	-0.8	-0.7	-0.4	-0.1	0.2	0.4	0.5	0.6	0.7		N
2010	1	1.2	1.3	1.3	1.1	0.8	0.5	0	-0.4	-0.8	-1.1	-1.3		ME
2011	-1.4	-1.3	-1.4	-1.3	-1.1	-0.8	-0.6	-0.3	-0.2	-0.3	-0.5	-0.7		ML

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Water Year	SON	OND	NDJ	DJF	JFM	FMA	MAM	AMJ	MJJ	JJA	JAS	ASO		ENSO Type
2012	-0.9	-0.9	-0.8	-0.7	-0.6	-0.5	-0.4	-0.3	-0.1	0.1	0.3	0.4		WL
2013	0.4	0.2	-0.2	-0.4	-0.5	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2		N
2014	-0.2	-0.2	-0.3	-0.5	-0.6	-0.4	-0.2	0	0	0	0	0.2		N
2015	0.4	0.6	0.6	0.5	0.4	0.5	0.7	0.9						

Water Year - October 1 - Sept 30

i.e. WY 1951 Runs from October 1, 1950 thru September 30, 1951